



## XP-8v Control Processor

The XP-8v is a high-end remote control processor for automating the operation of electronic systems such as A/V, lighting, security and HVAC in homes and office buildings. The third generation of the popular XP-8v advanced control processor, the accelerated XP-8v kicks control into high-gear with even more processing power, additional memory and an HDMI output for an OSD (on-screen-display) interface. Increased performance combined with a real time/multitasking operating system, tremendous expandability and compatibility with any RTI controller or app, make the XP-8v the perfect solution for large-scale and complex projects.

### Accessories



**ESC-2**  
Ethernet to Serial Converter



**ZW-9**  
Z-Wave® Interface Module



**PCM-4**  
Port Control Module



**ZM-24**  
2.4GHz Zigbee® Transceiver



**RCM-4**  
Relay Control Module



**RM-433**  
433MHz RF Antenna

### Key Features

- Powerful 32bit, 1GHz CPU.
- 512MB of non-volatile Flash memory, 1GB RAM.
- HDMI output for OSD provides bidirectional control interface on a TV.
- Eight two-way RS-232 ports.
- Eight relays can be programmed as a contact closure or voltage trigger.
- Eight multi-purpose I/O ports are compatible with industry standard IR emitters and optional RTI power sensing and communications modules.
- Eight sense inputs can trigger events based on contact closure or voltage.
- Astronomical clock allows time-based events.
- SD/MM Card Slot for Memory Expansion.
- Front panel controls/display (11 Buttons for front panel control).
- All output ports incorporate both short-circuit and overload protection.
- Variable IR output on all ports.
- Non-volatile Flash memory stores your system configuration even when power is not present.
- Field upgradable firmware.
- USB and Ethernet programming.
- Input for connection of both 433MHz and 2.4GHz Zigbee® RF modules.
- Rack mountable or free standing.

## Specifications

Power Supply .....	+12VDC, 1A
Multi-Purpose Output Ports .....	Eight custom 3.5mm 4-conductor jacks
.....	Designed for RTI modules as well as industry-standard IR emitters.
IR Output Drive .....	100mA maximum (per port, adjustable)
.....	200mA maximum (high IR output port)
Infrared Frequency Transmission Range .....	15kHz - 460kHz
Infrared Input .....	Compatible with industry-standard repeaters and receivers
Video Output for OSD .....	HDMI 720p/1080p
Relays .....	Eight, 3 Amps @ 30 VDC or 12V/100mA Trigger
Sense Inputs .....	Eight, Digital/Closure
RS-232 Ports .....	Eight, RJ45 Connection
Ethernet Port .....	One 10/100Base-T, RJ45 Connection
USB Ports .....	Two Host, 1 Programming
RTI Com Port .....	Two-way Zigbee® Communication Port, RJ45 Connection
Expansion Port .....	One RS-485 / IR / PWR, RJ45 Connection
Memory Expansion .....	SD/MM Card Slot
Display .....	High-contrast STN LCD
Display Size (H x W) .....	0.7 in x 2.8 in (18mm x 60mm)
.....	32h x 122w pixels
Backlights .....	Blue LED (Display/Keypad)
Mounting .....	Rack-mount or free standing
Operating Temperature .....	+32°F to +122°F (0°C to +50°C)
Operating Humidity .....	5% to 95% Non-Condensing
Dimensions (W x H x D) .....	17 in (432mm) x 1.7 in (43mm) x 6.4 in (162mm)
Weight .....	4 lb. (1814g)
Warranty .....	Three Year (Parts & Labor)

All specifications subject to change without notice



Front view - cover removed



Rear view

## RTI User Interfaces

- |                       |                      |
|-----------------------|----------------------|
| Remote Controls       | In-Wall Touchpanels  |
| Keypads               | Tabletop Touchpanels |
| Audio Control Keypads | Mobile Apps          |



## RTI Control Accessories

- |                    |                |
|--------------------|----------------|
| Control Processors | IR Modules     |
| System Kits        | Relay Modules  |
| RS-232 Modules     | Z-Wave Modules |



## RTI Audio/Video Distribution

- |                            |                            |
|----------------------------|----------------------------|
| HDMI Splitters & Switchers | HDBaseT Extenders          |
| HDMI Matrix Switchers      | Presentation Switchers     |
| HDBaseT Matrix Switchers   | Video over IP Transceivers |



It's Under Control®

**Remote Technologies Incorporated**  
 5775 12th Avenue East, Suite 180, Shakopee, MN 55379  
 PH: (952) 253-3100 • Website: www.rticorp.com